

PATENT ABSTRACTS OF JAPAN

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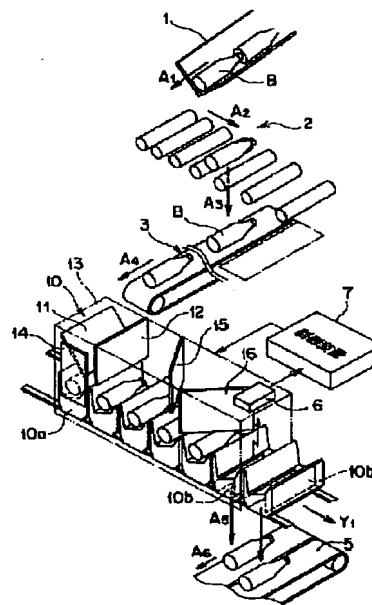
(54) **DISCARDED BOTTLE SORTING APPARATUS**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To provide a discarded bottle sorting apparatus which is equipped with a bucket conveyer for receiving and transporting discarded bottles and can place the bottles surely into buckets.

**SOLUTION:** In a sorting apparatus, discarded bottles B are supplied from a discarded bottle supplying apparatus to a roller type size sorting machine 2 to be sorted by size and charged into a bucket conveyer 10 through a bottle arranging apparatus 3 to be sorted. A gliding inclined plate 11 and a posture controlling plate 12 are installed in a discarded bottle feed port to the conveyer 10, the movement of the bottles B are regulated, and the bottles B are mounted on prescribed positions of the buckets 10a and sorted.

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- AN - 1998-113890 [11]  
TI - Waste bottle classification apparatus - includes colour identification machine which identifies colour of bottle mounted in bucket by boards  
AB - J10000434 The apparatus includes a gliding inclination board (11) and a position control board (12) provided in waste bottle insertion opening of a bucket conveyor (10). The boards align the bottles and are provided at right angles to bottle longitudinal direction.  
- A colour identification machine (2) which identifies colour of bottle mounted in the bucket.  
- ADVANTAGE - Reduces inferior identification of colour. Prevents rupture of apparatus.  
- (Dwg.1/5)  
IW - WASTE BOTTLE CLASSIFY APPARATUS COLOUR IDENTIFY MACHINE IDENTIFY COLOUR BOTTLE MOUNT BUCKET BOARD  
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